breakout ABSTRACT

TITLE

INTEROPERABILITY OF TRACKING AND EXCHANGE NETWORKS

TRACK

Technology

OBJECTIVES

Provide an update on:

- Exchange Network Deployment and Interoperability Status

- Description of Latest Technology and Technical Assistance Efforts

- Specific Status of USEPA/CDC/State/Municipal Interoperability Pilot

SUMMARY

EPA and CDC are working with state and local partners to pilot a web services based exchange of public health and environmental data. The primary objectives is to demonstrate a secure, standards based, user friendly approach for information exchange. Participants include CDC, EPA, State DOE, State DOH, and local health departments. The information exchanged will include both air quality and asthma data.

EPA will make air quality data available via Central Data Exchange (CDX) services on the Exchange Network. The CDC will access this EPA data, using an Exchange Network client application and the Software Developer Kit (a web service integration tool). CDC will also perform transformation and/or analysis on this data and mount the results on a prototype secured data access portal. This step will demonstrate both CDC s successful retrieval of that data, and the ability (and synergy) of portals, and other applications to access network based environment and public health data services. Several wizard driven advanced security features will be leveraged in the pilot including XML Key Management Services (XKMS), XML encryption and XML signature.

AUTHOR(S):

Bill Sonntag

EPA